

Abstracts

An Eight MESFET Periodic Spatial Power Combiner

A. Balasubramaniyan, J. Heinbockel and A. Mortazawi. "An Eight MESFET Periodic Spatial Power Combiner." 1993 MTT-S International Microwave Symposium Digest 93.2 (1993 Vol. II [MWSYM]): 611-614.

An X-band eight MESFET two dimensional spatial periodic power combiner is designed and fabricated. This paper describes the theoretical analysis and experimental results obtained. The Effective Radiated Power of this combiner is 8.5 W at 9.73 GHz. This combiner is small, light weight, and suited for monolithic implementation.

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